

Data written to the working file.
12 variables and 918 cases written.
Variable: Age Type: Number Format : F2
Variable: Sex Type: String Format : A1
Variable: ChestPainType Type: String Format : A3
Variable: RestingBP Type: Number Format : F3
Variable: Cholesterol Type: Number Format : F3
Variable: FastingBS Type: Number Format : F1
Variable: RestingECG Type: String Format : A6
Variable: MaxHR Type: Number Format : F3
Variable: ExerciseAngina Type: String Format : A1
Variable: Oldpeak Type: Number Format : F4.1
Variable: ST_Slope Type: String Format : A4
Variable: HeartDisease Type: Number Format : F1

Substitute the following to build syntax for these data.
/VARIABLES=
Age F2
Sex A1
ChestPainType A3
RestingBP F3
Cholesterol F3
FastingBS F1
RestingECG A6
MaxHR F3
ExerciseAngina A1
Oldpeak F4.1
ST_Slope A4
HeartDisease F1

Descriptives

[DataSet1]

Descriptive Statistics

	N Statistic	Minimum Statistic	Maximum Statistic	Mean		Std. Deviation Statistic	Variance		Skewness		Kurtosis	
				Statistic	Std. Error		Statistic	Std. Error	Statistic	Std. Error	Statistic	Std. Error
Age	918	28	77	53.51	.311	9.433	88.974	.081	-.196	.081	-.386	.161
RestingBP	918	0	200	132.40	.611	18.514	342.774	.081	.180	.081	3.271	.161
Cholesterol	918	0	603	198.80	3.610	109.384	11964.891	.081	-.610	.081	.118	.161
MaxHR	918	60	202	136.81	.840	25.460	648.229	.081	-.144	.081	-.448	.161
Oldpeak	918	-2.6	6.2	.887	.0352	1.0666	1.138	.081	1.023	.081	1.203	.161
Valid N (listwise)	918											

Univariate Statistics

	N	Mean	Std. Deviation	Missing Count	Missing Percent	No. of Extremes ^a Low	High
Age	918	53.51	9.433	0	.0	0	0
RestingBP	918	132.40	18.514	0	.0	2	40
Cholesterol	918	198.80	109.384	0	.0	172	11
MaxHR	918	136.81	25.460	0	.0	2	0
Oldpeak	918	.887	1.0666	0	.0	1	15
FastingBS	918	.23	.423	0	.0	.	.
HeartDisease	918	.55	.497	0	.0	0	0
Sex	918			0	.0		
ChestPainType	918			0	.0		
RestingECG	918			0	.0		
ExerciseAngina	918			0	.0		
ST_Slope	918			0	.0		

a. Number of cases outside the range (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
1	0	.0						.						
2	0	.0						.						
3	0	.0						.						
4	0	.0						.						
5	0	.0						.						
6	0	.0						.						
7	0	.0						.						
8	0	.0						.						
9	0	.0						.						
10	0	.0						.						
11	0	.0						.						
12	0	.0						.						
13	0	.0						.						
14	0	.0						.						
15	0	.0						.						
16	0	.0						.						
17	0	.0						.						
18	0	.0						.						
19	0	.0						.						
20	0	.0						.						
21	0	.0						.						
22	0	.0						.						
23	0	.0						.						
24	0	.0						.						
25	0	.0						.						
26	0	.0						.						
27	0	.0						.						
28	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
29	0	.0		+				.						
30	0	.0						.						
31	0	.0		+				.						
32	0	.0						.						
33	0	.0						.						
34	0	.0						.						
35	0	.0						.						
36	0	.0						.						
37	0	.0						+						
38	0	.0						.						
39	0	.0						+						
40	0	.0						.						
41	0	.0						.						
42	0	.0						.						
43	0	.0						.						
44	0	.0						.						
45	0	.0						.						
46	0	.0						.						
47	0	.0						.						
48	0	.0						.						
49	0	.0						.						
50	0	.0						.						
51	0	.0						.						
52	0	.0						.						
53	0	.0						+						
54	0	.0						.						
55	0	.0						.						
56	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
57	0	.0						.						
58	0	.0						.						
59	0	.0						.						
60	0	.0						.						
61	0	.0						.						
62	0	.0						.						
63	0	.0						.						
64	0	.0						.						
65	0	.0						.						
66	0	.0						.						
67	0	.0						.						
68	0	.0						.						
69	0	.0				+		.						
70	0	.0			+			.						
71	0	.0						.						
72	0	.0						.						
73	0	.0						.						
74	0	.0						.						
75	0	.0						.						
76	0	.0						.						
77	0	.0			+			.						
78	0	.0						.						
79	0	.0						.						
80	0	.0						.						
81	0	.0						.						
82	0	.0						.						
83	0	.0						.						
84	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
85	0	.0						+						
86	0	.0						.						
87	0	.0		+				+						
88	0	.0						.						
89	0	.0						.						
90	0	.0						.						
91	0	.0						.						
92	0	.0						.						
93	0	.0						.						
94	0	.0						.						
95	0	.0						.						
96	0	.0						.						
97	0	.0						.						
98	0	.0						+						
99	0	.0						.						
100	0	.0						.						
101	0	.0						.						
102	0	.0						.						
103	0	.0						.						
104	0	.0			+			+						
105	0	.0						.						
106	0	.0						+						
107	0	.0						.						
108	0	.0						.						
109	0	.0						.						
110	0	.0		+				.						
111	0	.0						.						
112	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
113	0	.0						+						
114	0	.0						.						
115	0	.0						.						
116	0	.0						.						
117	0	.0						.						
118	0	.0						+						
119	0	.0						.						
120	0	.0						.						
121	0	.0						+						
122	0	.0						.						
123	0	.0						.						
124	0	.0		+				.						
125	0	.0						.						
126	0	.0						.						
127	0	.0						.						
128	0	.0						.						
129	0	.0						+						
130	0	.0						.						
131	0	.0						.						
132	0	.0						.						
133	0	.0		+				.						
134	0	.0						.						
135	0	.0						.						
136	0	.0						.						
137	0	.0						.						
138	0	.0						.						
139	0	.0						.						
140	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Missing and Extreme Value Patterns											Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
141	0	.0																	.						
142	0	.0																	.						
143	0	.0																	.						
144	0	.0																	.						
145	0	.0																	.						
146	0	.0																	.						
147	0	.0																	.						
148	0	.0																	.						
149	0	.0																	.						
150	0	.0																	+						
151	0	.0																	.						
152	0	.0																	.						
153	0	.0																	.						
154	0	.0																	.						
155	0	.0																	.						
156	0	.0																	+						
157	0	.0																	.						
158	0	.0																	.						
159	0	.0																	.						
160	0	.0																	.						
161	0	.0																	+						
162	0	.0																	.						
163	0	.0																	.						
164	0	.0																	.						
165	0	.0																	.						
166	0	.0																	+						
167	0	.0																+	.						
168	0	.0																.	.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
169	0	.0						.						
170	0	.0						.						
171	0	.0						.						
172	0	.0						.						
173	0	.0						.						
174	0	.0						.						
175	0	.0						.						
176	0	.0						.						
177	0	.0						.						
178	0	.0						.						
179	0	.0						.						
180	0	.0						.						
181	0	.0						.						
182	0	.0						.						
183	0	.0						.						
184	0	.0						.						
185	0	.0						.						
186	0	.0						+						
187	0	.0						.						
188	0	.0						+						
189	0	.0						.						
190	0	.0		+				.						
191	0	.0		+				.						
192	0	.0		+				.						
193	0	.0						.						
194	0	.0						.						
195	0	.0						.						
196	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
197	0	.0						.						
198	0	.0						.						
199	0	.0						.						
200	0	.0						.						
201	0	.0						.						
202	0	.0						.						
203	0	.0						.						
204	0	.0						.						
205	0	.0						.						
206	0	.0						.						
207	0	.0						.						
208	0	.0						.						
209	0	.0						.						
210	0	.0						.						
211	0	.0						+						
212	0	.0						.						
213	0	.0						.						
214	0	.0						.						
215	0	.0						.						
216	0	.0		+				.						
217	0	.0						.						
218	0	.0						.						
219	0	.0						.						
220	0	.0						.						
221	0	.0						.						
222	0	.0						.						
223	0	.0						.						
224	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
225	0	.0						+						
226	0	.0						.						
227	0	.0						.						
228	0	.0						.						
229	0	.0						.						
230	0	.0						.						
231	0	.0						.						
232	0	.0						.						
233	0	.0						.						
234	0	.0						.						
235	0	.0						.						
236	0	.0						.						
237	0	.0						.						
238	0	.0						.						
239	0	.0						.						
240	0	.0						.						
241	0	.0						.						
242	0	.0		+				.						
243	0	.0						+						
244	0	.0						.						
245	0	.0						.						
246	0	.0						.						
247	0	.0						.						
248	0	.0						+						
249	0	.0						.						
250	0	.0						.						
251	0	.0			+			.						
252	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
253	0	.0						.						
254	0	.0						.						
255	0	.0						.						
256	0	.0						.						
257	0	.0						.						
258	0	.0						.						
259	0	.0						.						
260	0	.0						.						
261	0	.0						.						
262	0	.0						.						
263	0	.0						.						
264	0	.0						.						
265	0	.0						.						
266	0	.0						.						
267	0	.0						.						
268	0	.0						.						
269	0	.0						.						
270	0	.0						.						
271	0	.0						.						
272	0	.0						.						
273	0	.0						.						
274	0	.0						.						
275	0	.0		+				.						
276	0	.0		+				.						
277	0	.0						.						
278	0	.0		+				.						
279	0	.0		+				.						
280	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
281	0	.0						.						
282	0	.0						.						
283	0	.0						.						
284	0	.0						.						
285	0	.0						.						
286	0	.0						.						
287	0	.0						.						
288	0	.0						.						
289	0	.0						.						
290	0	.0						.						
291	0	.0						.						
292	0	.0						.						
293	0	.0						.						
294	0	.0			.			.						
295	0	.0			.			+						
296	0	.0			.			+						
297	0	.0			.			+						
298	0	.0			.			+						
299	0	.0			.			+						
300	0	.0			.			+						
301	0	.0			.			+						
302	0	.0			.			.						
303	0	.0			.			+						
304	0	.0			.			+						
305	0	.0			.			+						
306	0	.0			.			+						
307	0	.0			.			+						
308	0	.0			.			.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
309	0	.0			.			+						
310	0	.0			.			+						
311	0	.0			.			.						
312	0	.0			.			+						
313	0	.0			.			+						
314	0	.0			.			+						
315	0	.0	.		.			.						
316	0	.0			.			+						
317	0	.0			.			+						
318	0	.0			.			+						
319	0	.0			.			+						
320	0	.0			.			+						
321	0	.0			.			+						
322	0	.0			.			+						
323	0	.0			.			+						
324	0	.0			.			+						
325	0	.0			.		.	+						
326	0	.0			.			+						
327	0	.0			.			.						
328	0	.0			.			+						
329	0	.0			.			+						
330	0	.0			.			+						
331	0	.0			.			+						
332	0	.0			.			+						
333	0	.0			.			.						
334	0	.0			.			+						
335	0	.0			.			+						
336	0	.0			.			+						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
337	0	.0			.			.						
338	0	.0			.			+						
339	0	.0			.			+						
340	0	.0			.			+						
341	0	.0			.			+						
342	0	.0			.			+						
343	0	.0			.			+						
344	0	.0			.			+						
345	0	.0			.			+						
346	0	.0			.			.						
347	0	.0			.			.						
348	0	.0			.			+						
349	0	.0			.			.						
350	0	.0			.			+						
351	0	.0			.			+						
352	0	.0			.			.						
353	0	.0			.			.						
354	0	.0			.			.						
355	0	.0			.			.						
356	0	.0			.			.						
357	0	.0			.			.						
358	0	.0			.			.						
359	0	.0			.			.						
360	0	.0			.			.						
361	0	.0			.			.						
362	0	.0			.			.						
363	0	.0			.			.						
364	0	.0			.			.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
365	0	.0			.			.						
366	0	.0	+		.			.						
367	0	.0			.			.						
368	0	.0			.			.						
369	0	.0			.			.						
370	0	.0			.			.						
371	0	.0			.	.		.						
372	0	.0			.			.						
373	0	.0	+		.			.						
374	0	.0			.			.						
375	0	.0			.			.						
376	0	.0			.			.						
377	0	.0			.			.						
378	0	.0			.			+						
379	0	.0			.			+						
380	0	.0			.			.						
381	0	.0			.			.						
382	0	.0			.			.						
383	0	.0			.			.						
384	0	.0			.			.						
385	0	.0			.			.						
386	0	.0			.			.						
387	0	.0			.			.						
388	0	.0			.			.						
389	0	.0			.			.						
390	0	.0			.			+						
391	0	.0			.	.		.						
392	0	.0			.			.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
393	0	.0			.			.						
394	0	.0			.			+						
395	0	.0			.			+						
396	0	.0			.			+						
397	0	.0			.			+						
398	0	.0		+	.			+						
399	0	.0			.			+						
400	0	.0		+	.			+						
401	0	.0			.			+						
402	0	.0			.			+						
403	0	.0			.			+						
404	0	.0			.			+						
405	0	.0			.			+						
406	0	.0			.			+						
407	0	.0			.			+						
408	0	.0			.			+						
409	0	.0			.			+						
410	0	.0			.			+						
411	0	.0			.			+						
412	0	.0		+	.			+						
413	0	.0			.			+						
414	0	.0			.			+						
415	0	.0			.			+						
416	0	.0			.			+						
417	0	.0						.						
418	0	.0						.						
419	0	.0						.						
420	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
421	0	.0						+						
422	0	.0			.			.						
423	0	.0						+						
424	0	.0	+		.			.						
425	0	.0			.			+						
426	0	.0						+						
427	0	.0						.						
428	0	.0			.			.						
429	0	.0			.			.						
430	0	.0			.			.						
431	0	.0			.			+						
432	0	.0						.						
433	0	.0	+					.						
434	0	.0						.						
435	0	.0			.			.						
436	0	.0			.			.						
437	0	.0			.			.						
438	0	.0			.			+						
439	0	.0			.			.						
440	0	.0			.			.						
441	0	.0			.			.						
442	0	.0			.			+						
443	0	.0			.			+						
444	0	.0						+						
445	0	.0						.						
446	0	.0						.						
447	0	.0			.			.						
448	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
449	0	.0						+						
450	0	.0	.		.			.						
451	0	.0			.			.						
452	0	.0			.			.						
453	0	.0						.						
454	0	.0			.			.						
455	0	.0						+						
456	0	.0			.			.						
457	0	.0			.			.						
458	0	.0			.			+						
459	0	.0			.			+						
460	0	.0			.			.						
461	0	.0						+						
462	0	.0			.			.						
463	0	.0						.						
464	0	.0			.			.						
465	0	.0			.			.						
466	0	.0						.						
467	0	.0			.			.						
468	0	.0			.			.						
469	0	.0						.						
470	0	.0						+						
471	0	.0			.			.						
472	0	.0			.			.						
473	0	.0			.			+						
474	0	.0						+						
475	0	.0			.			.						
476	0	.0	+		.			+						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
477	0	.0						+						
478	0	.0			.			+						
479	0	.0						+						
480	0	.0	+		.			.						
481	0	.0			.			+						
482	0	.0			.			+						
483	0	.0						+						
484	0	.0			.			.						
485	0	.0			.			.						
486	0	.0						+						
487	0	.0						+						
488	0	.0						.						
489	0	.0						.						
490	0	.0						.						
491	0	.0						.						
492	0	.0	+					+						
493	0	.0			.			.						
494	0	.0						.						
495	0	.0						.						
496	0	.0						.						
497	0	.0			+			+						
498	0	.0						.						
499	0	.0						+						
500	0	.0						.						
501	0	.0				+		.						
502	0	.0						.						
503	0	.0						.						
504	0	.0						+						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
505	0	.0						+						
506	0	.0						+						
507	0	.0						.						
508	0	.0						.						
509	0	.0		.				+						
510	0	.0						.						
511	0	.0						.						
512	0	.0						+						
513	0	.0						.						
514	0	.0						.						
515	0	.0		.				.						
516	0	.0		.				+						
517	0	.0						+						
518	0	.0						.						
519	0	.0		.				+						
520	0	.0						.						
521	0	.0						.						
522	0	.0					+	.						
523	0	.0						.						
524	0	.0						.						
525	0	.0						.						
526	0	.0						.						
527	0	.0						.						
528	0	.0						.						
529	0	.0						.						
530	0	.0						.						
531	0	.0						.						
532	0	.0						+						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
533	0	.0						+						
534	0	.0						.						
535	0	.0						.						
536	0	.0		.	.			.						
537	0	.0			.			+						
538	0	.0				+		+						
539	0	.0						+						
540	0	.0						.						
541	0	.0						.						
542	0	.0						.						
543	0	.0						.						
544	0	.0		+				.						
545	0	.0						+						
546	0	.0						.						
547	0	.0						+						
548	0	.0						+						
549	0	.0						.						
550	0	.0						+						
551	0	.0		+				.						
552	0	.0						.						
553	0	.0						.						
554	0	.0						+						
555	0	.0						+						
556	0	.0						.						
557	0	.0						+						
558	0	.0						+						
559	0	.0						.						
560	0	.0				+		.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
561	0	.0						.						
562	0	.0						.						
563	0	.0						.						
564	0	.0						+						
565	0	.0						+						
566	0	.0						.						
567	0	.0						.						
568	0	.0						.						
569	0	.0						.						
570	0	.0						.						
571	0	.0						.						
572	0	.0						+						
573	0	.0						.						
574	0	.0						+						
575	0	.0						+						
576	0	.0						+						
577	0	.0						.						
578	0	.0						.						
579	0	.0						.						
580	0	.0						+						
581	0	.0						+						
582	0	.0						.						
583	0	.0						+						
584	0	.0						.						
585	0	.0						+						
586	0	.0		+				+						
587	0	.0						.						
588	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
589	0	.0						.						
590	0	.0						+						
591	0	.0						.						
592	0	.0						.						
593	0	.0	+					+						
594	0	.0						+						
595	0	.0						+						
596	0	.0						+						
597	0	.0						.						
598	0	.0						.						
599	0	.0						.						
600	0	.0						+						
601	0	.0						.						
602	0	.0						.						
603	0	.0						.						
604	0	.0						.						
605	0	.0						+						
606	0	.0						+						
607	0	.0						+						
608	0	.0						+						
609	0	.0						.						
610	0	.0						.						
611	0	.0						+						
612	0	.0						.						
613	0	.0						+						
614	0	.0						+						
615	0	.0						.						
616	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
617	0	.0		+				.						
618	0	.0						.						
619	0	.0						.						
620	0	.0						.						
621	0	.0						.						
622	0	.0						+						
623	0	.0						.						
624	0	.0						.						
625	0	.0				+		.						
626	0	.0						.						
627	0	.0						.						
628	0	.0						.						
629	0	.0						.						
630	0	.0						.						
631	0	.0						.						
632	0	.0						.						
633	0	.0						+						
634	0	.0						.						
635	0	.0						.						
636	0	.0						.						
637	0	.0						.						
638	0	.0						.						
639	0	.0						.						
640	0	.0						+						
641	0	.0						.						
642	0	.0						.						
643	0	.0						.						
644	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
645	0	.0						+						
646	0	.0						.						
647	0	.0						.						
648	0	.0						.						
649	0	.0		+				.						
650	0	.0						.						
651	0	.0						+						
652	0	.0						.						
653	0	.0						.						
654	0	.0						.						
655	0	.0						.						
656	0	.0						.						
657	0	.0						.						
658	0	.0						.						
659	0	.0						+						
660	0	.0						+						
661	0	.0						+						
662	0	.0						.						
663	0	.0						.						
664	0	.0						.						
665	0	.0						.						
666	0	.0						.						
667	0	.0						+						
668	0	.0			+			+						
669	0	.0						.						
670	0	.0						.						
671	0	.0						.						
672	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
673	0	.0						+						
674	0	.0	+					.						
675	0	.0						.						
676	0	.0						+						
677	0	.0						.						
678	0	.0						.						
679	0	.0						.						
680	0	.0						+						
681	0	.0						.						
682	0	.0						.						
683	0	.0						+						
684	0	.0						.						
685	0	.0						.						
686	0	.0						.						
687	0	.0						.						
688	0	.0						.						
689	0	.0						.						
690	0	.0						.						
691	0	.0						.						
692	0	.0						.						
693	0	.0						.						
694	0	.0						.						
695	0	.0						.						
696	0	.0						.						
697	0	.0						.						
698	0	.0						.						
699	0	.0						.						
700	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
701	0	.0						.						
702	0	.0						+						
703	0	.0		+			+	.						
704	0	.0						.						
705	0	.0						.						
706	0	.0						.						
707	0	.0						.						
708	0	.0						.						
709	0	.0						.						
710	0	.0						.						
711	0	.0						.						
712	0	.0						.						
713	0	.0						.						
714	0	.0						.						
715	0	.0						.						
716	0	.0						.						
717	0	.0						.						
718	0	.0						.						
719	0	.0						+						
720	0	.0						.						
721	0	.0						.						
722	0	.0						.						
723	0	.0						.						
724	0	.0						.						
725	0	.0						.						
726	0	.0		+				.						
727	0	.0						.						
728	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
729	0	.0						+						
730	0	.0						.						
731	0	.0						.						
732	0	.0						.						
733	0	.0	+			+		+						
734	0	.0						.						
735	0	.0						+						
736	0	.0						.						
737	0	.0						.						
738	0	.0						.						
739	0	.0						.						
740	0	.0						.						
741	0	.0						.						
742	0	.0						.						
743	0	.0						.						
744	0	.0						.						
745	0	.0						+						
746	0	.0						.						
747	0	.0						.						
748	0	.0						.						
749	0	.0						.						
750	0	.0						.						
751	0	.0						.						
752	0	.0						.						
753	0	.0						+						
754	0	.0						.						
755	0	.0						.						
756	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
757	0	.0						.						
758	0	.0						.						
759	0	.0						.						
760	0	.0	+					.						
761	0	.0						.						
762	0	.0						.						
763	0	.0						.						
764	0	.0						.						
765	0	.0						.						
766	0	.0						.						
767	0	.0						.						
768	0	.0						.						
769	0	.0						.						
770	0	.0						.						
771	0	.0						.						
772	0	.0				+		.						
773	0	.0						.						
774	0	.0						.						
775	0	.0	+					+						
776	0	.0				+		.						
777	0	.0						.						
778	0	.0						.						
779	0	.0						.						
780	0	.0						.						
781	0	.0	+					.						
782	0	.0						.						
783	0	.0						+						
784	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
785	0	.0						+						
786	0	.0						+						
787	0	.0						.						
788	0	.0						.						
789	0	.0						.						
790	0	.0						.						
791	0	.0						+						
792	0	.0				+		.						
793	0	.0						.						
794	0	.0						+						
795	0	.0						.						
796	0	.0						+						
797	0	.0		+				.						
798	0	.0						.						
799	0	.0						.						
800	0	.0						+						
801	0	.0						.						
802	0	.0						.						
803	0	.0						+						
804	0	.0						.						
805	0	.0						.						
806	0	.0						.						
807	0	.0						.						
808	0	.0						.						
809	0	.0						.						
810	0	.0						+						
811	0	.0						.						
812	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
813	0	.0						.						
814	0	.0						.						
815	0	.0						.						
816	0	.0						.						
817	0	.0						.						
818	0	.0						.						
819	0	.0						.						
820	0	.0						.						
821	0	.0						+						
822	0	.0						.						
823	0	.0						.						
824	0	.0						.						
825	0	.0						.						
826	0	.0		+				.						
827	0	.0						+						
828	0	.0						.						
829	0	.0						.						
830	0	.0						.						
831	0	.0						.						
832	0	.0						.						
833	0	.0						.						
834	0	.0						.						
835	0	.0						.						
836	0	.0						.						
837	0	.0						.						
838	0	.0						.						
839	0	.0						+						
840	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
841	0	.0						.						
842	0	.0						.						
843	0	.0						+						
844	0	.0						+						
845	0	.0						.						
846	0	.0						.						
847	0	.0						.						
848	0	.0						.						
849	0	.0						.						
850	0	.0						.						
851	0	.0					+	.						
852	0	.0						.						
853	0	.0						.						
854	0	.0						.						
855	0	.0						.						
856	0	.0		+				+						
857	0	.0						.						
858	0	.0						.						
859	0	.0						.						
860	0	.0						.						
861	0	.0						.						
862	0	.0						.						
863	0	.0						.						
864	0	.0						.						
865	0	.0						.						
866	0	.0						.						
867	0	.0						.						
868	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
869	0	.0						.						
870	0	.0						+						
871	0	.0						.						
872	0	.0						+						
873	0	.0						.						
874	0	.0						.						
875	0	.0						.						
876	0	.0						.						
877	0	.0						.						
878	0	.0						.						
879	0	.0						.						
880	0	.0						.						
881	0	.0		+				+						
882	0	.0						.						
883	0	.0						.						
884	0	.0						.						
885	0	.0						.						
886	0	.0						.						
887	0	.0						.						
888	0	.0						+						
889	0	.0						+						
890	0	.0						.						
891	0	.0		+				.						
892	0	.0						.						
893	0	.0						.						
894	0	.0						.						
895	0	.0						.						
896	0	.0						.						

Data Patterns (all cases)

Case	# Missing	% Missing	Age	RestingBP	Cholesterol	MaxHR	Oldpeak	FastingBS	HeartDisease	Sex	ChestPainType	RestingECG	ExerciseAngina	ST_Slope
897	0	.0						-						
898	0	.0						-						
899	0	.0						-						
900	0	.0						-						
901	0	.0				+		-						
902	0	.0	+					+						
903	0	.0						-						
904	0	.0						-						
905	0	.0						-						
906	0	.0						-						
907	0	.0						-						
908	0	.0						-						
909	0	.0				+		-						
910	0	.0						-						
911	0	.0						-						
912	0	.0						+						
913	0	.0						-						
914	0	.0						-						
915	0	.0						+						
916	0	.0						-						
917	0	.0						-						
918	0	.0						-						

- indicates an extreme low value, while + indicates an extreme high value. The range used is (Q1 - 1.5*IQR, Q3 + 1.5*IQR).

T-Test

Group Statistics

	Sex	N	Mean	Std. Deviation	Std. Error Mean
Age	M	725	53.78	9.398	.349
	F	193	52.49	9.518	.685
Cholesterol	M	725	187.51	112.351	4.173
	F	193	241.20	85.195	6.133

Independent Samples Test

Levene's Test for Equality of Variances			t-test for Equality of Means								95% Confidence Interval of the Difference	
	F	Sig.	t	df	One-Sided p	Two-Sided p	Mean Difference	Std. Error Difference	Lower	Upper		
Age	.145	.704	1.690	916	.046	.091	1.290	.763	-.208	2.788		
			1.678	299.256	.047	.094	1.290	.769	-.223	2.803		
Cholesterol	30.095	.000	-6.181	916	.000	.000	-53.684	8.685	-70.729	-36.638		
			-7.238	388.828	.000	.000	-53.684	7.417	-68.267	-39.100		

Independent Samples Effect Sizes

		Standardizer ^a	Point Estimate	95% Confidence Interval	
				Lower	Upper
Age	Cohen's d	9.423	.137	-.022	.296
	Hedges' correction	9.431	.137	-.022	.295
	Glass's delta	9.518	.136	-.024	.295
Cholesterol	Cohen's d	107.231	-.501	-.661	-.340
	Hedges' correction	107.318	-.500	-.660	-.340
	Glass's delta	85.195	-.630	-.800	-.459

- a. The denominator used in estimating the effect sizes.
Cohen's d uses the pooled standard deviation.
Hedges' correction uses the pooled standard deviation, plus a correction factor.
Glass's delta uses the sample standard deviation of the control (i.e., the second) group.

Regression

Descriptive Statistics

	Mean	Std. Deviation	N
Age	53.51	9.433	918
RestingBP	132.40	18.514	918
Cholesterol	198.80	109.384	918
FastingBS	.23	.423	918
MaxHR	136.81	25.460	918
Oldpeak	.887	1.0666	918
HeartDisease	.55	.497	918

Correlations

Pearson Correlation		Age	RestingBP	Cholesterol	FastingBS	MaxHR	Oldpeak	HeartDisease
	Age	1.000	.254	-.095	.198	-.382	.259	.282
	RestingBP	.254	1.000	.101	.070	-.112	.165	.108
	Cholesterol	-.095	.101	1.000	-.261	.236	.050	-.233
	FastingBS	.198	.070	-.261	1.000	-.131	.053	.267
	MaxHR	-.382	-.112	.236	-.131	1.000	-.161	-.400
	Oldpeak	.259	.165	.050	.053	-.161	1.000	.404
	HeartDisease	.282	.108	-.233	.267	-.400	.404	1.000
Sig. (1-tailed)								
	Age		.000	.002	.000	.000	.000	.000
	RestingBP	.000		.001	.017	.000	.000	.001
	Cholesterol	.002	.001		.000	.000	.064	.000
	FastingBS	.000	.017	.000		.000	.055	.000
	MaxHR	.000	.000	.000	.000		.000	.000
	Oldpeak	.000	.000	.064	.055	.000		.000
	HeartDisease	.000	.001	.000	.000	.000	.000	
N		Age	918	918	918	918	918	918
	RestingBP	918	918	918	918	918	918	918
	Cholesterol	918	918	918	918	918	918	918
	FastingBS	918	918	918	918	918	918	918
	MaxHR	918	918	918	918	918	918	918
	Oldpeak	918	918	918	918	918	918	918
	HeartDisease	918	918	918	918	918	918	918

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.489 ^a	.239	.234	8.254	.239	47.778	6	911	.000
Durbin-Watson									
1.644									

a. Predictors: (Constant), HeartDisease, RestingBP, Cholesterol, FastingBS, MaxHR, Oldpeak
b. Dependent Variable: Age

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	HeartDisease, RestingBP, Cholesterol, FastingBS, MaxHR, Oldpeak ^b	.	Enter

a. Dependent Variable: Age
b. All requested variables entered.

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	19528.967	6	3254.828	47.778	.000 ^b
	Residual	62060.424	911	68.123		
	Total	81589.391	917			

a. Dependent Variable: Age
b. Predictors: (Constant), HeartDisease, RestingBP, Cholesterol, FastingBS, MaxHR, Oldpeak

Coefficients^a

Model	Unstandardized Coefficients			Standardized Coefficients Beta	t	Sig.
	B	Std. Error				
1	(Constant)	54.264	2.730		19.874	.000
	RestingBP	.093	.015	.182	6.131	.000
	Cholesterol	-.001	.003	-.008	-.259	.796
	FastingBS	2.756	.687	.124	4.015	.000
	MaxHR	-.111	.012	-.301	-9.366	.000
	Oldpeak	1.383	.285	.156	4.850	.000
	HeartDisease	.832	.673	.044	1.236	.217

a. Dependent Variable: Age

Coefficient Correlations^a

Model	HeartDisease		RestingBP	Cholesterol	FastingBS	MaxHR	Oldpeak
1	Correlations	HeartDisease	1.000	-.023	-.200	.316	-.388
		RestingBP	-.023	1.000	-.078	.097	-.115
		Cholesterol	.158	-.139	.212	-.171	-.136
		FastingBS	-.200	-.078	1.000	-.013	.038
		MaxHR	.316	.097	-.013	1.000	.014
		Oldpeak	-.388	-.115	.038	.014	1.000
Covariances	HeartDisease	.453	.000	.000	-.092	.003	-.075
	RestingBP	.000	.000	-.001	1.753E-5	.000	.000
	Cholesterol	.000	-5.706E-6	.000	-5.518E-6	.000	.000
	FastingBS	-.092	-.001	.471	.000	.007	.007
	MaxHR	.003	1.753E-5	.000	.000	.000	4.625E-5
	Oldpeak	-.075	.000	.007	4.625E-5	.081	.081

a. Dependent Variable: Age

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	39.90	68.63	53.51	4.615	918
Residual	-21.496	28.555	.000	8.227	918
Std. Predicted Value	-2.949	3.277	.000	1.000	918
Std. Residual	-2.604	3.460	.000	.997	918

a. Dependent Variable: Age